

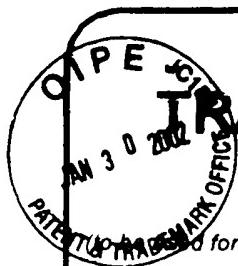
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(Modified) PTO/SB/21 (6-98)  
Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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1631  
+  
**TRANSMITTAL  
FORM**

(PTO/SB/122 rev. 01/2000) for all correspondence after initial filing)



		Application Number	09/539,486
		Filing Date	March 30, 2000
		First Named Inventor	Sergey A. Selifonov
		Group Art Unit	1631
		Examiner Name	Zhou S.
Total Number of Pages in This Submission	5	Attorney Docket Number	02-028940US

FEB 07 2002

TECH CENTER 1600/1200

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> receipt acknowledgment postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

**Authorization to Charge Deposit Account**  
Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

**Remarks** COPY OF PAPERS  
ORIGINALLY FILED

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Jonathan Alan Quine Reg. No. 41,261 The Law Offices of Jonathan Alan Quine
Signature	
Date	November 6, 2001

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D C 20231 on this date: November 6, 2001

Typed or printed name	Deborah Berwick		
Signature		Date	November 6, 2001

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 50-0893  
Law Offices of Jonathan Alan Quine

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2.  Payment Enclosed:  
 Check     Money Order     Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity
--------------	--------------

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201 370 Utility filing fee	
106	310	206 155 Design filing fee	
107	480	207 240 Plant filing fee	
108	690	208 345 Reissue filing fee	
114	150	214 75 Provisional filing fee	

SUBTOTAL (1) (\$)

## 2. EXTRA CLAIM FEES

Total Claims	-20**	=	X	=	Fee from below	Fee Paid
Independent Claims	- 3**	=	X	=		
Multiple Dependent						

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
103	18	203 9 Claims in excess of 20	
102	84	202 42 Independent claims in excess of 3	
104	280	204 140 Multiple dependent claim, if not paid	
109	78	209 39 ** Reissue independent claims over original patent	
110	18	210 9 ** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

## 3. ADDITIONAL FEES

Large Entity	Small Entity
--------------	--------------

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205 65 Surcharge - late filing fee or oath	
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	
139	130	139 130 Non-English specification	
147	2,520	147 2,520 For filing a request for reexamination	
112	920*	112 920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	
115	110	215 55 Extension for reply within first month	
116	400	216 200 Extension for reply within second month	
117	920	217 460 Extension for reply within third month	
118	1440	218 720 Extension for reply within fourth month	
128	1960	228 980 Extension for reply within fifth month	
119	320	219 160 Notice of Appeal	
120	300	220 150 Filing a brief in support of an appeal	
121	260	221 130 Request for oral hearing	
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive - unavoidable	
141	1,280	241 640 Petition to revive - unintentional	
142	1,280	242 640 Utility issue fee (or reissue)	
143	430	243 215 Design issue fee	
144	580	244 290 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	50	123 50 Petitions related to provisional applications	
126	180	126 180 Submission of Information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	
146	690	246 345 Filing a submission after final rejection (37 CFR 1.129(a))	
149	690	249 345 For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$ 180.00)

Reduced by Basic Filing Fee Paid

## Complete (if applicable)

Typed or Printed Name	Jonathan Alan Quine			Reg. Number	41,261
Signature	<i>Jonathan Alan Quine</i>			Date	11/06/01
				Deposit Account User ID	

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date: November 6, 2001

Typed or Printed Name	Deborah Berwick				
Signature	<i>Deborah Berwick</i>				
				Date	November 6, 2001

TECH CENTER 1600/2000

FEB 07 2002

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Washington, D.C. 20231.  
On November 6, 2001

The Law Offices of Jonathan Alan Quine

By Deborah Berwick  
Deborah Berwick



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FEB 07 2002

TECH CENTER 1600/2900

Attorney Docket No. 02-028940US

#23  
PLANT  
2/2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sergey A. Selifonov, et al.

Application No.: 09/539,486

Filed: March 30, 2000

For: METHODS FOR MAKING  
CHARACTER STRINGS,  
POLYNUCLEOTIDES AND  
POLYPEPTIDES HAVING DESIRED  
CHARACTERISTICS

Examiner: Zhou S.

Art Unit: 1631

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97 and  
§ 1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

02/05/2002 BMGUYEN1 00000035 500893 09539486

01 FC:126

180.00 CH

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed after the mailing date of the first Office Action and more than three months after the filing date, but prior to the Notice of Allowance or Final Office Action.

Please deduct \$180.00, pursuant to 37 CFR §1.17(p), from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

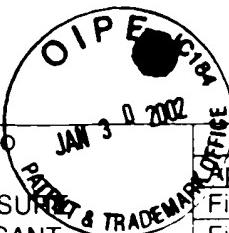


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JAQ:db

Substitute for form 1449A-B/PTO



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

TECH CENTER 1600/2800  
FEB 07 2002

Application Number	09/539,486
Filing Date	March 30, 2000
First Named Inventor	Sergey A. Selifonov
Group Art Unit	1631
Examiner Name	Zhou S.
Attorney Docket Number	02-028940US

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
AA	5,023,171			Ho et al.	06-11-1991	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number				
AB	WO	91/06643	A1	Majesty (Her) In Right of Canada	05-16-1991		
AC	WO	96/16073	A2	Terrapin Technologies, Inc.	05-30-1996		
AD	WO	96/16073	A3	Terrapin Technologies, Inc.	05-30-1996		

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
AE	Dewey et al. (1998) "Non-equilibrium Thermodynamics of Molecular Evolution." <i>J. Theor Biol.</i> 193:593-599		
AF	Morchio et al. (1997) "Simulation of Protein Evolution: Evidence for a Non-linear Aminoacidic Substitution Rate." <i>Riv Biol</i> 83-94		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.